## **RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	09/990,046A
Source:	IFW16
Date Processed by STIC:	3/28/05

# ENTERED



#### IFW16

RAW SEQUENCE LISTING DATE: 03/28/2005
PATENT APPLICATION: US/09/990,046A TIME: 09:11:50

Input Set : A:\P1405R1C1.txt

Output Set: N:\CRF4\03282005\I990046A.raw

```
3 <110> APPLICANT: de Sauvage, Frederic
             Carpenter, David A.
      6 <120> TITLE OF INVENTION: Patched-2 Antibodies
      8 <130> FILE REFERENCE: P1405R1C1
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/990,046A
C--> 11 <141> CURRENT FILING DATE: 2001-11-20
     13 <150> PRIOR APPLICATION NUMBER: US 60/081,884
     14 <151> PRIOR FILING DATE: 1998-04-15
     16 <160> NUMBER OF SEQ ID NOS: 24
     18 <210> SEQ ID NO: 1
     19 <211> LENGTH: 4030
     20 <212> TYPE: DNA
     21 <213> ORGANISM: Homo sapiens
     23 <400> SEQUENCE: 1
     24 gttatttcag gccatggtgt tgcgccgaat taattcccga tccagacatg 50
     26 ataagataca ttgatgagtt tggacaaacc acaactagaa tgcagtgaaa 100
     28
        aaaatgettt atttgtgaaa tttgtgatge tattgettta tttgtaacca 150
     30 ttataagctg caataaacaa gttgggccat ggcggccaag cttctgcagg 200
     32 tcgactctag aggatccccg gggaattccg gcatgactcg atcgccgccc 250
        ctcagagage tgcccccgag ttacacaccc ccagctcgaa ccgcagcacc 300
     36 ccagatccta gctgggagcc tgaaggctcc actctggctt cgtgcttact 350
        tccagggcct gctcttctct ctgggatgcg ggatccagag acattgtggc 400
     40
        aaagtgetet ttetgggaet gttggeettt ggggeeetgg cattaggtet 450
     42
        ccgcatggcc attattgaga caaacttgga acagctctgg gtagaagtgg 500
        gcagccgggt gagccaggag ctgcattaca ccaaggagaa gctgggggag 550
     46
        gaggetgeat acacetetea gatgetgata cagacegeae geeaggaggg 600
     48
        agagaacate etcacaceeg aagcaettgg cetecacete caggeageee 650
     50 tcactqccag taaagtccaa gtatcactct atgggaagtc ctgggatttg 700
     52 aacaaaatct gctacaagtc aggagttccc cttattgaaa atggaatgat 750
     54 tgagtggatg attgagaage tgttteegtg egtgateete acceeeteg 800
     56 actgcttctg ggagggagcc aaactccaag ggggctccgc ctacctgccc 850
        ggccgcccgg atatccagtg gaccaacctg gatccagagc agctgctgga 900
     60
        ggagctgggt ccctttgcct cccttgaggg cttccgggag ctgctagaca 950
        aggcacaggt gggccaggcc tacgtggggc ggccctgtct gcaccctgat 1000
        gacctccact gcccacctag tgcccccaac catcacagca ggcaggctcc 1050
        caatgtggct cacgagctga gtgggggctg ccatggcttc tcccacaaat 1100
        tcatgcactg gcaggaggaa ttgctgctgg gaggcatggc cagagacccc 1150
     70
        caaggagage tgetgaggge agaggeeetg cagageacet tettgetgat 1200
        gagtccccgc cagctgtacg agcatttccg gggtgactat cagacacatg 1250
    74
        acattggctg gagtgaggag caggccagca cagtgctaca agcctggcag 1300
    76 cggcgctttg tgcagctggc ccaggaggcc ctgcctgaga acgcttccca 1350
        gcagatccat gccttctcct ccaccacct ggatgacatc ctgcatgcgt 1400
```

80 tetetgaagt cagtgetgee egtgtggtgg gaggetatet geteatgetg 1450

### RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/990,046A TIME: 09:11:50

DATE: 03/28/2005

Input Set : A:\P1405R1C1.txt

Output Set: N:\CRF4\03282005\I990046A.raw

```
82
   gcctatgcct gtgtgaccat gctgcggtgg gactgcgccc agtcccaggg 1500
   ttccgtgggc cttgccgggg tactgctggt ggccctggcg gtggcctcag 1550
86 gccttgggct ctgtgccctg ctcggcatca ccttcaatgc tgccactacc 1600
88
   caggtgctgc ctttcttggc tctgggaatc ggcgtggatg acgtattcct 1650
90
   gctggcgcat gccttcacag aggctctgcc tggcacccct ctccaggagc 1700
92
   gcatgggcga gtgtctgcag cgcacgggca ccagtgtcgt actcacatcc 1750
94
   atcaacaaca tggccgcctt cctcatggct gccctcgttc ccatccctgc 1800
   gctgcgagcc ttctccctac aggcggccat agtggttggc tgcacctttg 1850
96
   tagccqtgat gcttgtcttc ccagccatcc tcagcctgga cctacggcgg 1900
98
100 cgccactgcc agcgccttga tgtgctctgc tgcttctcca gtccctgctc 1950
102
    tgctcaggtg attcagatcc tgccccagga gctgggggac gggacagtac 2000
104
    cagtgggcat tgcccacctc actgccacag ttcaagcctt tacccactgt 2050
106
    gaagccagca gccagcatgt ggtcaccatc ctgcctcccc aagcccacct 2100
108
    ggtgcccca ccttctgacc cactgggctc tgagctcttc agccctggag 2150
110
    ggtccacacg ggaccttcta ggccaggagg aggagacaag gcagaaggca 2200
112
    gcctgcaagt ccctgccctg tgcccgctgg aatcttgccc atttcgcccg 2250
114
    ctatcagttt gccccgttgc tgctccagtc acatgccaag gccatcgtgc 2300
116
    tggtgctctt tggtgctctt ctgggcctga gcctctacgg agccaccttg 2350
118
    gtgcaagacg gcctggccct gacggatgtg gtgcctcggg gcaccaagga 2400
120
    gcatgccttc ctgagcgccc agctcaggta cttctccctg tacgaggtgg 2450
122
    ccctggtgac ccagggtggc tttgactacg cccattccca acgcgccctc 2500
124
    tttgatctgc accagegett cagtteecte aaggeggtge tgeececaee 2550
126
    ggccacccag gcaccccgca cctggctgca ctattaccgc aactggctac 2600
128
    agggaatcca ggctgccttt gaccaggact gggcttctgg gcgcatcacc 2650
130
    cgccactcgt accgcaatgg ctctqaqqat qqqqccctqq cctacaaqct 2700
132
    geteatecag actggagaeg eccaggagee tetggattte agecagetga 2750
134
    ccacaaggaa gctggtggac agagagggac tgattccacc cgagctcttc 2800
136 tacatggggc tgaccgtgtg ggtgagcagt gaccccctgg gtctggcagc 2850
138
    ctcacaggcc aacttctacc ccccacctcc tgaatggctg cacgacaaat 2900
140
    acgacaccac gggggagaac cttcgcatcc cgccagctca gcccttggag 2950
142 tttgcccagt tccccttcct gctgcgtggc ctccagaaga ctgcagactt 3000
144
    tgtggaggcc atcgaggggg cccgggcagc atgcgcagag gccggccagg 3050
146
    ctggggtgca cgcctacccc agcggctccc ccttcctctt ctgggaacag 3100
148
    tatetgggcc tgcggcgctg cttectgctg gccgtctgca tectgctggt 3150
150
     gtgcactttc ctcgtctgtg ctctgctgct cctcaacccc tggacggctg 3200
152
     gcctcatagt gctggtcctg gcgatgatga cagtggaact ctttggtatc 3250
154
     atgggtttcc tgggcatcaa gctgagtgcc atccccgtgg tgatccttgt 3300
156
    ggcctctgta ggcattggcg ttgagttcac agtccacgtg gctctqqqct 3350
158 tectgaceae ecagggeage eggaacetge gggeegeeca tgeeettgag 3400
160
    cacacatttg cccccgtgac cgatggggcc atctccacat tgctgggtct 3450
162 getcatgett getggtteee aetttgaett cattgtaagg taettetttg 3500
164
    eggegetgae agtgeteaeg eteetgggee teeteeatgg aetegtgetg 3550
166 ctgcctgtgc tgctgtccat cctgggcccg ccgccagagg tgatacagat 3600
168 gtacaaggaa agcccagaga tcctgagtcc accagctcca cagggaggcg 3650
170 ggcttaggtg gggggcatcc tcctccctgc cccagagctt tgccagagtg 3700
172 actaceteca tgacegtgge catecaceca ecceectge etggtgeeta 3750
174 catccatcca geoectgatg ageocecttg gteecetget gecactaget 3800
176
    ctggcaacct cagttccagg ggaccaggtc cagccactgg gtgaaagagc 3850
178
    agctgaagca cagagaccat gtgtggggcg tgtggggtca ctgggaagca 3900
```

RAW SEQUENCE LISTING DATE: 03/28/2005
PATENT APPLICATION: US/09/990,046A TIME: 09:11:50

Input Set : A:\P1405R1C1.txt

Output Set: N:\CRF4\03282005\I990046A.raw

```
180 ctgggtctgg tgttagacgc aggacggacc cctggagggc cctgctgctg 3950
    ctgcatcccc tctcccgacc cagctgtcat gggcctccct gatatcgaat 4000
184 tcaatcgata gaaccgaggt gcagttggac 4030
186 <210> SEQ ID NO: 2
187 <211> LENGTH: 1203
188 <212> TYPE: PRT
189 <213> ORGANISM: Homo sapiens
191 <400> SEQUENCE: 2
192
     Met Thr Arg Ser Pro Pro Leu Arg Glu Leu Pro Pro Ser Tyr Thr
193
       1
                       5
                                           10
195
     Pro Pro Ala Arg Thr Ala Ala Pro Gln Ile Leu Ala Gly Ser Leu
196
                      20
                                           25
198
     Lys Ala Pro Leu Trp Leu Arg Ala Tyr Phe Gln Gly Leu Leu Phe
199
                      35
                                           40
201
     Ser Leu Gly Cys Gly Ile Gln Arg His Cys Gly Lys Val Leu Phe
202
                      50
                                           5.5
204
     Leu Gly Leu Ala Phe Gly Ala Leu Ala Leu Gly Leu Arg Met
205
                                           70
207
     Ala Ile Ile Glu Thr Asn Leu Glu Gln Leu Trp Val Glu Val Gly
208
     Ser Arg Val Ser Gln Glu Leu His Tyr Thr Lys Glu Lys Leu Gly
210
211
                                          100
213
     Glu Glu Ala Ala Tyr Thr Ser Gln Met Leu Ile Gln Thr Ala Arg
214
                                                               120
                     110
                                          115
216
     Gln Glu Gly Glu Asn Ile Leu Thr Pro Glu Ala Leu Gly Leu His
217
                     125
                                          130
219
     Leu Gln Ala Ala Leu Thr Ala Ser Lys Val Gln Val Ser Leu Tyr
220
                     140
                                          145
222
     Gly Lys Ser Trp Asp Leu Asn Lys Ile Cys Tyr Lys Ser Gly Val
223
                     155
                                          160
225
     Pro Leu Ile Glu Asn Gly Met Ile Glu Trp Met Ile Glu Lys Leu
226
                     170
                                          175
     Phe Pro Cys Val Ile Leu Thr Pro Leu Asp Cys Phe Trp Glu Gly
228
229
                                          190
                     185
231
     Ala Lys Leu Gln Gly Gly Ser Ala Tyr Leu Pro Gly Arg Pro Asp
232
                                          205
234
     Ile Gln Trp Thr Asn Leu Asp Pro Glu Gln Leu Leu Glu Glu Leu
235
                     215
                                          220
                                                               225
237
     Gly Pro Phe Ala Ser Leu Glu Gly Phe Arg Glu Leu Leu Asp Lys
238
                     230
                                          235
240
    Ala Gln Val Gly Gln Ala Tyr Val Gly Arg Pro Cys Leu His Pro
241
                                          250
                                                               255
                     245
243
    Asp Asp Leu His Cys Pro Pro Ser Ala Pro Asn His His Ser Arg
244
                     260
                                          265
                                                               270
246
    Gln Ala Pro Asn Val Ala His Glu Leu Ser Gly Gly Cys His Gly
247
                     275
                                          280
249
     Phe Ser His Lys Phe Met His Trp Gln Glu Glu Leu Leu Gly
250
                     290
                                          295
252
    Gly Met Ala Arg Asp Pro Gln Gly Glu Leu Leu Arg Ala Glu Ala
```

RAW SEQUENCE LISTING DATE: 03/28/2005
PATENT APPLICATION: US/09/990,046A TIME: 09:11:50

Input Set : A:\P1405R1C1.txt

Output Set: N:\CRF4\03282005\I990046A.raw

252					205					210					215
253	Τ	C1 -	0.00	mh w	305	T	т	Mak	Com	310	7	C1-	T	m	315
255	Leu	GIII	Ser	1111	Phe 320	ьеи	ьец	Met	ser	325	Arg	GIII	rea	ıyı	
256	1114.0	Dha	71	C1		m	C1-	mh	114.0		Tla	C1	П.	Com	330
258	HIS	Pne	Arg	GIY	Asp	ıyı	GIN	THE	нтѕ	_	тте	GTÄ	irb	ser	
259	C1	C1	71.	C	335	17-1	т	C1	70.7	340	C1	7	7	nh -	345
261	GIU	GIN	Ата	ser	Thr	vaı	ren	GIN	Ата	_	GIN	Arg	Arg	Pne	
262	<b>01</b>	T	71-	C1 -	350	71 -	T	D	<b>61</b>	355	7.1.	0	G1	<b>C1</b>	360
264	GIN	ьeu	Ата	GIN	Glu	Ата	ьец	Pro	GIU		Ата	Ser	GIN	GIN	
265		n 1:-	D1	<b>~</b>	365	m1	m1.	<b>.</b>	7	370	<b>-</b> 1.	<b>.</b>	***	77 -	375
267	HIS	Ата	Pne	Ser	Ser	Thr	Thr	Leu	Asp		ile	Leu	HIS	Ата	
268	0	G1	17-1	0	380	7.1.	7	17- 1	77- 7	385	<b>01</b>	m	т	T	390
270	ser	GIU	vaı	ser	Ala	Ата	Arg	vaı	vaı		GTÀ	Tyr	Leu	ьeu	
271	<b>T</b>	77.		71 -	395	77 - 7	m\	Made	<b>T</b>	400	m	70	<b>-</b>	7.7 -	405
273	ьeu	Ата	Tyr	Ala	Cys	vaı	Thr	мет	ьeu	_	тгр	Asp	Cys	Ата	
274	Q	C1	C1	0	410	C1	T	70.1	C1	415	T	7	77± 7	7.1.	420
276	ser	GIN	СТУ	ser	Val	GТÄ	Leu	Ата	GIY		ьeu	Leu	vaı	Ата	
277	7.1 -	77 - 3	70.7 -	0	425	T	<b>01</b>	<b>T</b>	<b>~</b>	430	<b>T</b>	<b>T</b>	<b>a</b> 1	<b>-</b> 1 -	435
279	Ата	vaı	Ата	Ser	Gly	ьeu	GIY	ьeu	Cys		ьeu	ьeu	СТУ	тте	
280	Db -	7	7.1 <u>-</u>	7. J _	440	m1	C1-		т	445	Db -	7	71 -	T	450
282	Pne	ASI	Ата	Ата	Thr	THE	GIN	vai	ьeu		Pne	ьeu	Ата	ьeu	
283	т1.	C1	17- 1	7	455	77-7	Dh.	т	T	460	11.2 -	71.	Dh.	m 1	465
285	тте	GIY	vaı	Asp	Asp	vaı	Pne	Leu	Leu		HIS	Ата	Pne	Thr	
286	7.7 _	T	D	C1	470	D	T	C1	C1	475	Wat	C1	C1	C	480
288	Ala	ьeu	PIO	СТУ	Thr	PLO	ьец	GIII	GIU	-	мес	GIŸ	.GIU	Cys	
289	C1 ~	7 ~~	mb∽	C1	485 Th~	C0~	W-1	37 o 1	T 011	490	Cox	т1.	7.00	7.00	495 Mot
291	GIII	Arg	1111	СТУ	Thr 500	ser	vaı	val	Leu		ser	TTE	ASII	ASII	510
292 294	ת ו ת	712	Dho	T 011	Met	717	7.1.5	T 011	Wal	505 Bro	Tlo	Bro	ת 1 ת	T 011	
295	HIG	мта	rne	ьeu	515	нια	нта	ьeu	vaı	520	TIE	FIO	мта	теи	525
297	717	Dho	Sor	T 011	Gln	ת 1 ת	Nlα	T10	Wal		C1 17	Cvc	Thr	Dho	
298	мта	rne	Ser	ьеи	530	Ата	Ата	TTE	Val	535	СТУ	Cys	1111	rne	540
300	Δla	Val	Met	T.e.ii	Val	Phe	Pro	Δla	Tla		Ser	T.e.ii	Asn	T.e.11	
301	AIG	Val	Hee	пса	545	LIIC	110	AIG	110	550	Jer	БСи	nsp	пси	555
303	Ara	Ara	His	Cvs	Gln	Ara	T.e.11	Asn	Val		Cvs	Cvs	Phe	Ser	
304	1119	111.9		Cyo	560	1119	шси	ш	VUL	565	Cys	Cys	1110	DCI	570
306	Pro	Cvs	Ser	Ala	Gln	Val	Tle	Gln	Tle		Pro	Gln	Glu	Len	
307	110	Cys	DCI	7114	575	vai	110	0111	110	580	110	0111	CIU	пси	585
309	Asp	Glv	Thr	Val	Pro	Val	Glv	Tle	Ala		Len	Thr	Ala	Thr	
310	пор	O <sub>T</sub> y			590		011		1114	595	Lou				600
312	Gln	Ala	Phe	Thr	His	Cvs	Glu	Ala	Ser		Gln	His	Val	Val	
313	<b></b>				605	-1-				610	<b></b>				615
315	Tle	T.eu	Pro	Pro	Gln	Ala	His	T.em	Val		Pro	Pro	Ser	Asp	
316		шса			620		*****	200	,	625			001	пор	630
318	Len	Glv	Ser	Glu	Leu	Phe	Ser	Pro	Glv		Ser	Thr	Ara	Asp	
319		,			635			- 20	,	640	~ ~		9		645
321	Leu	G] v	G] n	Glu	Glu	G] 11	Thr	Ara	G) n		Ala	Ala	Cvs	Lvs	
322		1			650			9		655			- 1 -	-1-	660
324	Lev	Pro	Cvs	Ala	Arg	Tro	Asn	Leu	Ala		Phe	Ala	Arσ	Tvr	
325			- 1 -		665	F				670			3		675
															-

RAW SEQUENCE LISTING DATE: 03/28/2005 PATENT APPLICATION: US/09/990,046A TIME: 09:11:50

Input Set : A:\P1405R1C1.txt

Output Set: N:\CRF4\03282005\1990046A.raw

327 328	Phe	Ala	Pro	Leu	Leu 680	Leu	Gln	Ser	His	Ala 685	Lys	Ala	Ile	Val	Leu 690
330	Val	Leu	Phe	Gly		Leu	Leu	Gly	Leu		Leu	Tyr	Gly	Ala	
331	Leu	Val	Gln	Asp	Gly	Leu	Ala	Leu	Thr	Asp	Val	Val	Pro	Arg	Gly
334 336	Thr	Lys	Glu	His		Phe	Leu	Ser	Ala		Leu	Arg	Tyr	Phe	
337				_	725		_			730					735
339 340	Leu	Tyr	Glu	Val	Ala 740	Leu	Val	Thr	Gln	Gly 745	Gly	Phe	Asp	Tyr	Ala 750
342 343	His	Ser	Gln	Arg	Ala 755	Leu	Phe	Asp	Leu	His 760	Gln	Arg	Phe	Ser	Ser 765
345 346	Leu	Lys	Ala	Val	Leu 770	Pro	Pro	Pro	Ala	Thr 775	Gln	Ala	Pro	Arg	Thr 780
348	Trp	Leu	His	Tyr	Tyr	Arg	Asn	Trp	Leu		Gly	Ile	Gln	Ala	
349					785					790					795
351 352	Phe	Asp	Gln	Asp	Trp 800	Ala	Ser	Gly	Arg	Ile 805	Thr	Arg	His	Ser	Tyr 810
354 355	Arg	Asn	Gly	Ser	Glu 815	Asp	Gly	Ala	Leu	Ala 820	Tyr	Lys	Leu	Leu	Ile 825
357	Gln	Thr	Glv	Asp		Gln	Glu	Pro	Leu		Phe	Ser	Gln	Len	
358			_	_	830					835					840
360 361	Thr	Arg	Lys	Leu	Val 845	Asp	Arg	Glu	Gly	Leu 850	Ile	Pro	Pro	Glu	Leu 855
363	Phe	Tvr	Met	Glv		Thr	Val	Trp	Val		Ser	Asp	Pro	Leu	
364		_		_	860			_		865		_			870
366 367	Leu	Ala	Ala	Ser	Gln 875	Ala	Asn	Phe	Tyr	Pro 880	Pro	Pro	Pro	Glu	Trp 885
369	Leu	His	Asp	Lys	Tyr	Asp	Thr	Thr	Gly	Glu	Asn	Leu	Arg	Ile	Pro
370					890					895					900
372	Pro	Ala	Gln	Pro		Glu	Phe	Ala	Gln		Pro	Phe	Leu	Leu	-
373	C1	*	C1	T	905	71 -	7	nı.	77_7	910	7.7.	T1.	C1	C1	915
375 376	GTĀ	Leu	GTII	ьуs	920	Ата	Asp	Pne	vaı	925	Ата	тте	GIU	GIA	930
378	Δτα	70 T a	Δla	Cve		Glu	Ala	Clv	Gln		Cl v	U = 1	Нie	<b>Δ</b> 1 =	
379	nrg	лта	пла	Cys	935	Gru	лта	СТУ	GIII	940	СТУ	vai	1113	AIG	945
381	Pro	Ser	Glv	Ser		Phe	Leu	Phe	Trp	-	Gln	Tvr	Leu	Glv	
382			1		950				r	955		-1-		1	960
384	Arq	Arq	Cys	Phe	Leu	Leu	Ala	Val	Cys	Ile	Leu	Leu	Val	Cys	Thr
385	_		-		965				-	970				-	975
387	Phe	Leu	Val	Cys	Ala	Leu	Leu	Leu	Leu	Asn	Pro	Trp	Thr	Ala	Gly
388				-	980					985		-			990
390	Leu	Ile	Val	Leu	Val	Leu	Ala	Met	Met	Thr	Val	Glu	Leu	Phe	Gly
391					995					1000					1005
393	Ile	Met	Gly	Phe	Leu	Gly	Ile	Lys	Leu	Ser	Ala	Ile	Pro	Val	Val
394					1010					1015					1020
396	Ile	Leu	Val			Val	Gly	Ile	_		Glu	Phe	Thr		
397					1025					1030					1035
399	Val	Ala	Leu	Gly	Phe	Leu	Thr	Thr	Gln	Gly	Ser	Arg	Asn	Leu	Arg

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/990,046A

DATE: 03/28/2005 TIME: 09:11:51

Input Set : A:\P1405R1C1.txt

Output Set: N:\CRF4\03282005\I990046A.raw

#### Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 20,27,135,156,210

Seq#:4; N Pos. 143 Seq#:6; N Pos. 13,14 VERIFICATION SUMMARY

DATE: 03/28/2005

PATENT APPLICATION: US/09/990,046A TIME: 09:11:51

Input Set : A:\P1405R1C1.txt

Output Set: N:\CRF4\03282005\1990046A.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0

M:341 Repeated in SeqNo=3

L:471 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:100 L:502 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0